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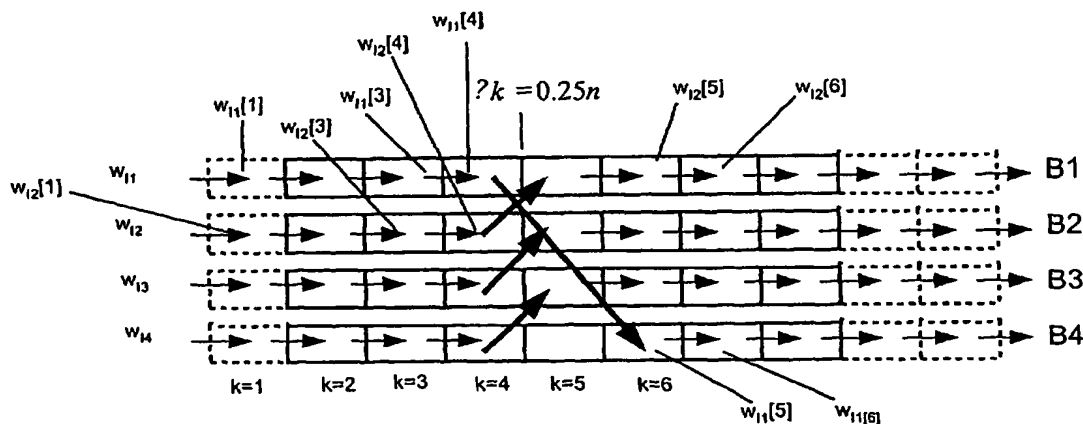
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(54) Title: WATERMARK TIME SCALE SEARCHING



(57) Abstract: Method and apparatus are described for compensating for a linear time scale change in a received signal, so as to correctly rescale the frame sequence of the received signal. Firstly, an initial estimate of the sequence of symbols is extracted from the received signal. Successive estimates of correctly time scaled sequences of the symbols are then generated by interpolating the values of the initial estimates.

## INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 G10L19/00 G11B20/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	P. BASSIA, I. PITAS, N. NIKOLAIDIS: "Robust Audio Watermarking in the Time Domain" IEEE TRANSACTIONS ON MULTIMEDIA, vol. 3, no. 2, July 2001 (2001-07), pages 232-241, XP002270604 page 234 - page 235	1-17
A	WO 01/069518 A (RHOADS GEOFFREY B ; DIGIMARC CORP (US); SHARMA RAVI K (US)) 20 September 2001 (2001-09-20) page 1, line 23 - page 2, line 2 page 2, line 25 - line 31 page 5, line 7 - line 21 page 6, line 1 - line 6 page 6, line 17 - line 28 page 7, line 22 - line 26 ----- -/--	1-17

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	VEEN VAN DER M ET AL: "ROBUST, MULTI-FUNCTIONAL AND HIGH-QUALITY AUDIO WATERMARKING TECHNOLOGY" PREPRINTS OF PAPERS PRESENTED AT THE AES CONVENTION, XX, XX, vol. 110, no. 5345, 12 May 2001 (2001-05-12), pages 1-9, XP001086463 page 3, column 1 - page 4, column 1	1-17
A	WO 01/099109 A (KIM JONG WOEN ; MARKANY INC (KR); LEE HAN HO (KR); PARK CHANG MOK (KR)) 27 December 2001 (2001-12-27) page 13, line 3 - line 10 page 14, line 9 - line 15 page 15, line 4 - line 19 page 18, line 5 - line 17	1-17

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